

# Day-Lume



**PLASTIC  
Fluorescent  
Lamp Fixtures**

## **BULLETIN F-49**

*DayBrite Lighting Inc.*

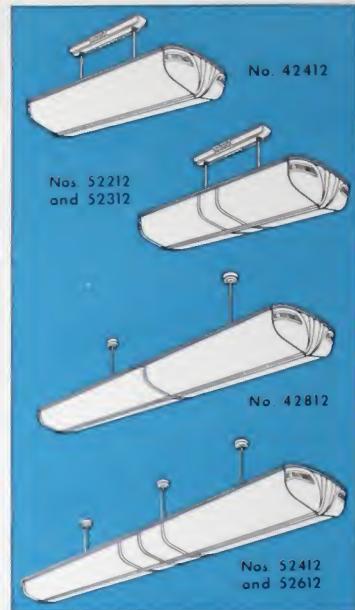
ST. LOUIS, MO., U.S.A.

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# Day-Lume

## PLASTIC ... SUSPENDED DIRECT-INDIRECT FIXTURES



### For 48", 40-watt and 60", 100-watt Fluorescent Lamps

The introduction of the "DAY-LUME" brings one of the most outstanding advances in the fluorescent lighting field today. It combines the ultimate in beauty, efficiency and range of applications. For stores, offices and public buildings of all types, it offers a completely shielded luminous element assuring glare-free illumination for every visual task and for the attractive display of merchandise.

The "DAY-LUME" is styled to blend with any architectural interior treatment. Its sleek appearance has plenty of eye appeal as its smooth plastic side panels and molded plastic ends are designed as a unit and give the appearance of a softly glowing mass of illumination that literally floods the room with light.

**Plastic construction eliminates dark spots**  
In the "DAY-LUME" the ends present a softly glowing

two-tone appearance, graduated from dark at the top center to light at the edges, blending smoothly into the side panels. The side panels are also of plastic of high transmission, designed in fixture to minimize brightness and block out lamps and all interior parts. These fixtures are available for four and eight 48", 40-watt lamps and two, three, four and six 60", 100-watt lamps.

Interior reflectors are Day-Brite "SUPER-WHITE" baked enamel finish, providing a diffuse reflecting surface of high lasting efficiency.

Fixtures are furnished wired or unwired and include hangers, sockets, High Power-Factor ballasts and lamp starters, but not lamps. For 110-125 volt A.C. Can be furnished for 208 or 220 volt operation at same prices on special order.

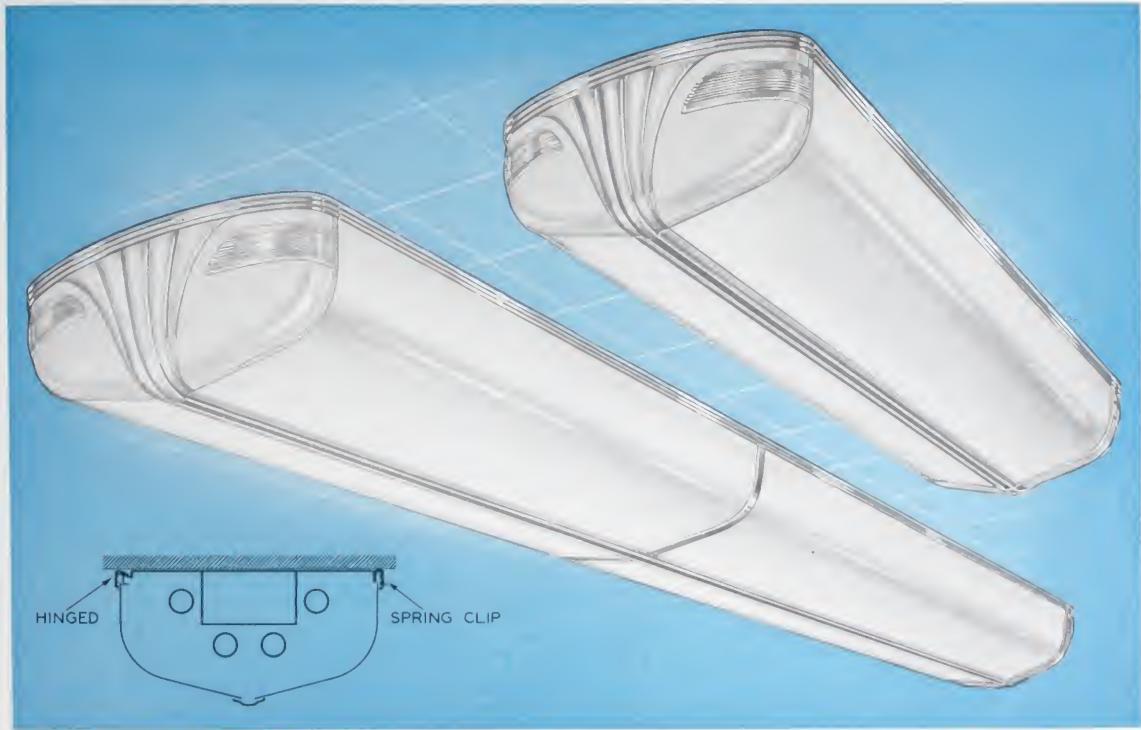
#### Schedule S Discounts

For Lamps		Catalog No.	List Price Each		Dimensions				Approx. Shipping Weight
No.	Size		WIRED	UNWIRED*	Body Length	Width	Height	Hanger Length	
4	48"-40w-110v	42412	\$72.00	\$68.00	53 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	27"	53 lbs.
2	60"-100w-110v	52212	81.00	79.00	65 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	27"	60 lbs.
3	60"-100w-110v	52312	104.00	100.30	65 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	27"	70 lbs.
8	48"-40w-110v	42812	142.00	134.00	101 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	27"	125 lbs.
4	60"-100w-110v	52412	162.00	158.00	125 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	27"	161 lbs.
6	60"-100w-110v	52612	208.00	200.60	125 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	27"	176 lbs.

\*Unwired Fixtures—Furnished complete with sockets, ballasts, starters, wire nuts and wire when necessary in the wiring of the fixture.

# Day-Lume

## PLASTIC ... FIXTURES FOR DIRECT CEILING MOUNTING



### For 48", 40-watt Fluorescent Lamps

The "DAY-LUME," for direct ceiling mounting, is engineered to provide wide-spread illumination free from glare and shadows. The plastic sides and ends give out a softly diffused glow that lights the surrounding ceiling area.

#### Plastic construction eliminates dark spots

In the "DAY-LUME" the ends present a softly glowing two-tone appearance, graduated from dark at the top center to light at the edges, blending smoothly into the side panels. The side panels are also of plastic of high transmission, designed in fixture to minimize brightness and block out lamps and all interior parts.

These fixtures are designed for easy installation and maintenance. The entire fixture body is hinged to the ceiling plate and is easily opened for servicing. These fixtures are available for four and eight 48", 40-watt lamps.

Interior reflectors are Day-Brite "SUPER-WHITE" baked enamel finish, providing a diffuse reflecting surface of high permanent efficiency.

Fixtures are furnished wired or unwired and include sockets, High Power-Factor ballasts and lamp starters, but not lamps. For 110-125 volt A.C. Can be furnished for 208 or 220 volt operation at same prices on special order.

#### Schedule S Discounts

For Lamps		Catalog No.	List Price Each		Dimensions			Approx. Shipping Weight
No.	Size		WIRED	UNWIRED*	Length	Width	Height	
4	48"-40w-110v	42413	\$71.00	\$67.00	53 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	48 lbs.
8	48"-40w-110v	42813	140.00	132.00	101 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	8 $\frac{1}{8}$ "	119 lbs.

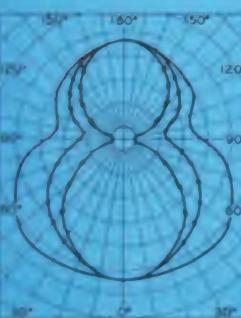
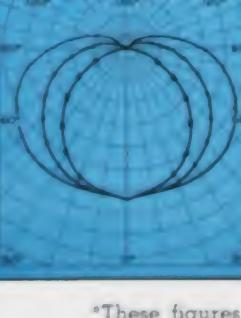
\*Unwired Fixtures—Furnished complete with sockets, ballasts, starters, wire nuts and wire when necessary in the wiring of the fixture.

# FIGURING FOOTCANDLE INTENSITIES FOR THE DAY-LUME

(1) Ascertain ceiling height, room size and wall and ceiling finish.

(2) Select desired footcandle intensity.

(3) From this information proper fixture spacing or area per outlet can be determined.

TYPICAL DISTRIBUTION CURVES	INSTALLATION CONDITIONS (Approximate)				LARGE ROOM Width 4 Times Height	MEDIUM ROOM Width 2 Times Height	SMALL ROOM Width Equals Height				
	Ceiling Height	Fixture to Floor	Spacing (Ft.)	Area Per Unit (Sq. Ft.)							
	WALL AND CEILING FINISH										
<b>SUSPENSION TYPE — For Four 40-watt Lamps</b>									<b>FOOTCANDLES*</b>		
 	10'	7'1"	6 x 8	48	66	59	59	53	47 42		
			8 x 10	80	40	35	35	32	28 25		
			10 x 10	100	32	28	28	25	23 20		
			12 x 12	144	22	20	20	18	16 14		
	11'	8'1"	6 x 8	48	66	59	59	53	47 42		
			8 x 10	80	40	35	35	32	28 25		
			10 x 10	100	32	28	28	25	23 20		
	12'	9'1"	6 x 8	48	66	59	57	50	43 40		
			8 x 10	80	40	35	34	30	26 24		
			10 x 10	100	32	28	27	24	21 19		
			12 x 12	144	22	20	19	17	14 13		
	13'	10'1"	6 x 8	48	63	57	57	50	43 40		
			8 x 10	80	38	34	34	30	26 24		
			10 x 10	100	30	27	27	24	21 19		
			12 x 12	144	21	19	19	17	14 13		
	14'	11'1"	6 x 8	48	59	53	53	47	43 40		
			8 x 10	80	35	32	32	28	26 24		
			10 x 10	100	28	25	25	23	21 19		
			12 x 12	144	20	18	18	16	14 13		
	15'	12'1"	6 x 8	48	59	53	53	47	40 37		
			8 x 10	80	35	32	32	28	24 22		
			10 x 10	100	28	25	25	23	19 18		
			12 x 12	144	20	18	18	16	13 12		
<b>CEILING TYPE — For Four 40-watt Lamps</b>									<b>FOOTCANDLES*</b>		
 	8'		6 x 8	48	59	53	53	47	37 33		
			8 x 10	80	35	32	32	28	22 20		
			10 x 10	100	28	25	25	23	18 16		
			12 x 12	144	20	18	18	16	12 11		
	9'		6 x 8	48	59	53	47	42	40 37		
			8 x 10	80	35	32	28	25	24 22		
			10 x 10	100	28	25	23	20	19 18		
			12 x 12	144	20	18	16	14	13 12		
	10'		6 x 8	48	59	53	53	47	37 33		
			8 x 10	80	35	32	32	28	22 20		
			10 x 10	100	28	25	25	23	18 16		
			12 x 12	144	20	18	18	16	12 11		
	11'		6 x 8	48	59	53	53	47	40 37		
			8 x 10	80	35	32	32	28	24 22		
			10 x 10	100	28	25	25	23	19 18		
			12 x 12	144	20	18	18	16	13 12		
	12'		6 x 8	48	59	53	47	42	37 33		
			8 x 10	80	35	32	28	25	22 20		
			10 x 10	100	28	25	23	20	18 16		
			12 x 12	144	20	18	16	14	12 11		

\*These figures are also applicable to installations involving fixtures for two 100-watt lamps. For fixtures employing three 100-watt lamps, increase these values 50%.

All of the above figures shown in tables are based on the use of 3500° white lamps.

Values with Daylight lamps will be approximately 15% less.

Approximately 25% depreciation has been allowed in all of the above computations.